

Replace the paragraph beginning at page 1, line 15 with the following rewritten paragraph:

A<sub>2</sub> The invention relates to computer graphic applications and, more specifically, to anti-aliasing techniques.

Insert the following heading on page 1, line 17:

A<sub>3</sub> BACKGROUND OF THE INVENTION

Please insert beginning at page 11, line 25, the following heading:

A<sub>4</sub> SUMMARY OF THE INVENTION

Please insert beginning at page 20, line 27, the following heading:

A<sub>5</sub> BRIEF DESCRIPTION OF THE DRAWINGS

Please replace the paragraph beginning at page 21, line 9, with the following paragraph:

A<sub>6</sub> Tables 1 through 33, labeled Tab. 1-33 for convenience, show input and output conditions of the circuits, as respectively described in the description.

Please insert beginning at page 21, line 11, the following heading:

A<sub>7</sub> DETAILED DESCRIPTION OF THE INVENTION

Please replace the paragraph beginning at page 28, line 1 with the following paragraph:

A<sub>8</sub> All known special cases are brought back to the basic cases insofar as the states ascertained at the end points are converted. That can be seen in greater detail from Tables 1-3 respectively showing the straight line configurations to be traced in respect of different steps.

**In the Claims:**

Please amend claims 1, 4, 5, 7, 8 and 12 - 15 and add new claims 16 - 18 as follows: